Amendments to the Claims

Claims 1-107. (Cancelled)

108. (Currently Amended) A communication system, comprising:

a plurality of signaling processors, wherein each of the signaling processors includes a call processing table and each of the signaling processors is configured to receive signaling for a call, process the signaling based on the call processing table to select an identifier for routing the call, and transmit a control message identifying the identifier;

a plurality of connection systems, wherein each of the connection systems is configured to receive user communications for a call, receive a control message that includes a an identifier for routing the call, interwork the user communications based on the identifier in the control message, and transmit the user communications that include the identifier for routing the call; and

a call processing control system coupled to the signaling processors and configured to receive call processing data from the signaling processors, process the call processing data to generate updated call processing tables, and transmit the updated call processing tables to update the call processing tables in the signaling processors based on the call processing data to remotely control call processing.

109. (Currently Amended) The communication system of claim 108 wherein the call processing control system comprises:

a human machine interface configured to provide an interface for an operator to enter the call processing data to generate the updated adjust the call processing tables.

110. (Currently Amended) The communication system of claim 109 wherein the call processing control system comprises:

a user security configuration system configured to allow selected operators to enter the call processing data to generate the updated update the call processing tables.

111. (Original) The communication system of claim 108 wherein the call processing control system receives the call processing data from an operations center.

112. (Original) The communication system of claim 108 wherein the call processing control system comprises:

a regional craft view system configured to allow an operations center to view configurations of the signaling processors.

113. (Original) The communication system of claim 108 wherein the call processing tables include a called number table.

114. (Original) The communication system of claim 108 wherein the call processing tables include a routing table.

115. (Original) The communication system of claim 108 wherein the call processing tables include an automatic number identification table.

116. (Previously Presented) The communication system of claim 108 wherein each of the connection systems is configured to interwork the user communications between non-asynchronous transfer mode (ATM) connections and asynchronous transfer mode (ATM) connections.

117. (Previously Presented) The communication system of claim 108 wherein each of the connection systems is configured to interwork the user communications between time division multiplexed (TDM) connections and asynchronous transfer mode (ATM) connections.

3   (Response to 3-12-04 Office action)

118. (Currently Amended) A method of operating a communication system comprising a plurality of signaling processors, a plurality of connection systems, and a call processing control system, the method comprising:

in each of the signaling processors, receiving signaling for a call, processing the signaling based on a call processing table to select an identifier for routing the call, and transmitting a control message identifying the identifier;

in each of the connection systems, receiving user communications for a call, receiving a control message that includes an identifier for routing the call, interworking the user communications based on the identifier in the control message, and transmitting the user communications that include the identifier for routing the call; and

in the call processing control system, receiving call processing data from the signaling processors, processing the call processing data to generate updated call processing tables, and transmitting the updated call processing tables to and updating the call processing tables in the signaling processors based on the call processing data to remotely control call processing.

119. (Currently Amended) The method of claim 118 wherein the call processing control system further comprises a human machine interface, the method further comprising:

in the human machine interface, providing an interface for an operator to enter the call processing data to adjust the generate the updated call processing tables.

120. (Currently Amended) The method of claim 119 wherein the call processing control system further comprises a user security configuration system, the method further comprising:

in the user security configuration system, allowing selected operators to enter the call processing data to update the generate the updated call processing tables.

121. (Original) The method of claim 118 wherein receiving the call processing data comprises:

receiving the call processing data from an operations center.

122. (Original) The method of claim 118 wherein the call processing system further comprises a regional craft view system, the method further comprising:

in the regional craft view system, allowing an operations center to view configurations of the signaling processors.

123. (Original) The method of claim 118 wherein the call processing tables include a called number table.

124. (Original) The method of claim 118 wherein the call processing tables include a routing table.

125. (Original) The method of claim 118 wherein the call processing tables include an automatic number identification table.

126. (Previously Presented) The method of claim 118 wherein interworking the user communications comprises:

interworking the user communications between non-asynchronous transfer mode (ATM) connections and asynchronous transfer mode (ATM) connections.

127. (Previously Presented) The method of claim 118 wherein interworking the user communications comprises:

interworking the user communications between time division multiplexed (TDM) connections and asynchronous transfer mode (ATM) connections.

5   (Response to 3-12-04 Office action)